North America's Leader in Hazardous Material Information Management

1905 Aston Avenue, Carlsbad, CA 92008 Phone (800) 451-8346 Fax (760) 602-8888

# MSDS PRODUCT INFORMATION

Date: 10/07/2005

To: MSDS Requester

From: 3E Company

Subject: The MSDS you have requested

## [ ] MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communicatin Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

### [ ] MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

### [ ] MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

### [X] MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Titan Corporation

Product Name: Glaze Coat II Resin & Hardener

#### DEPARTMENT OF LABOR AND INDUSTRIES :NDUSTRIAL HYGIENE SECTION POB 207 OLYMPIA, WA 98504 (20e) 753-6497

# **MATERIAL SAFETY DATA SHEET**



COMPLIES WITH WAC 296-62-05413

PREPARATION/REVISION DATE

COMPLES WITH WAC 250-0	2-00410		DECEMBER +	<del></del>
5	ECTIONI			
MANUFACTURER'S NAME		-424-9300	5.43	
Titan Corporation ADDRESS (Number, Street, City, and ZIP Code)		800	-424-9300	24hrs
5629 208th St. S.W. Lynnwood, WA.	98036			
CHEMICAL NAME		OMMON NAME		
Modified Aliphatic Polyamine	FDRMULA	GLAZE COAT J	I Hardene	r 1:1 Rat:
	PUHMULA	N/A		
Modified Aliphatic Polyamine SECTION II HA	ZADDOUS I			
OECHON II A	EARDOOS I		CABLE EXPOSURE (	PATRIC
CHEMICAL AND COMMON NAME	%	PEL-WISHA/OSHA		OTHER
	T	none		CAS
Polyoxypropylenediamine	35%	establishe	d	9046100
	-	1		
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CARCINO	ENIC INGR	EDIENTS		
		T	REFERENCE SOUR	<del></del>
CHEMICAL AND COMMON NAME	%	NTP	MARC SOUR	WISHA/OSHA
	1			- TOTAL COLLA
N/A				
	-	1		
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SECTION III	HEALTH HAZARD DATA	į

ACUTE HEALTH EFFECTS  EFFECTS OF OVEREXPOSURE	ontact with	eves will cause hurne	Breathing years
may be slightly irritating.			
may be singular initiating.	rrolonged	contact with skin may c	AURE GEFRAFITIA.
	<u> </u>	·	
CHRONIC HEALTH EFFECTS			
iv/A			
	·		
ROUTES OF ENTRY			·
Skin & Inhalation MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE			
N/A			
	· ,——	<del>-</del>	<del></del>
EMERGENCY AND FIRST AID PROCEDURES	<del>- 1</del>		
EYE CONTACT., Flush with wa	ter (15 min	ntes) See a physician	
SKIN CONTACT. Wash with soa			• • • • • • • • • • • • • • • • • • • •
consult a physician.	<u> </u>	++ GTTELRIC MGHILLERIS	LIMB ACCUT,
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		•	
	<del></del>		
	SECTION IV C	HEMICAL DATA	
BOILING POINT ("F)	500	SPECIFIC GRAVITY (H2O=1)	.96
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	1
	1@100c		
VAPOR DENSITY (AIR-1)	NA	EVAPORATION RATE (	N/A
SOLUBILITY (Specify Solvents) Part	tially solut	ole in water.	
		•	
APPEARANCE AND ODOR Amber viscous liquid with an			
	а <u>чиоо 13 годо</u>	<u>r</u>	

A 28°F COC  PATHNOUND-HING MEDIA Water fog, foam, CO2 and dry chemical.  SPECIAL FIRE FORTHING PROCEDURES Water or foam may cause frothing.  INCOMPATIBILITY (Malernia to avoid) This Material reacts violently with acid NAZARODUS DECOMPOSITION PRODUCTS Thermal decomposition PROCURE HAZARODUS POLYMERIZATION MAY OCCUR MAY OCCUR WILL NOT OCCUR X N/A  STABLE AND	FLAMMABLE LIMITS Unknown	Lei Usi
Water fog, foam, CO2 and dry chemical.  SPECIAL FIRE FIGHTING PROCEDURES Water or foam may cause frothing.  NUSUAL FIRE AND EXPLOSION HAZARDS None  NOOMPATIBLITY (Malerela to avoid)  This Material reacts violently with acid hazardous Decomposition Products Thermal decomposition Ditrogen compounds of unknown structure and hazardous Decomposition Products Thermal decomposition Procurs Thermal decomposition Products Thermal decomposition Ditrogen compounds of unknown structure and hazardous Polymerization  WILL NOT OCCUR  WILL NOT OCCUR  X  SECTION VI SPILLORI  STABLE  X  SECTION VI SPILLORI  MIX with absorbent material and dispose and local regulations.		
Water fog, foam, CO2 and dry chemical.  PECHAL FIRE PIGHTING PROCEDURES Water or foam may cause frothing.  Wishat FIRE AND EXPLOSION HAZARDS None  MOSUAL FIRE AND EXPLOSION HAZARDS None  MCCAMPATIBILITY (Maleripla to avoid)  This Material reacts violently with acid MAZARDUS DECOMPOSITION PRODUCTS Thermal decomposition Ditrogen compounds of unknown structure and MAZARDOUS MAZARDOUS MAYOCCUR MAYOCCUR WILL NOT OCCUR X N/A  TABILITY UNSTABLE X N/A  SECTION VI SPILLORI TEPS YO BE TAKEN IN CASE MATERIAL IS RELEASED ON SPILLED  Mix with absorbent material and dispose and local regulations.		
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COMPATIBILITY (Maleriela to avoid)  This Material reacts violently with acid transposition products. Thermal decomposition products are unknown structure.  AZARDOUS MAY OCCUR CONDITIONS TO AVOID AVO		
None  COMPATIBILITY (Malerial to avoid)  This Material reacts violently with acid arabous decomposition products. Thermal decomposition nitrogen compounds of unknown structure compliances of unknown structure.  AZARDOUS MAY OCCUR N/A  OLYMERIZATION WILL NOT OCCUR X N/A  TABILITY UNSTABLE X N/A  SECTION VI SPILL ORI  TEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  MIX with absorbent material and dispose and local regulations.		
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AZARDOUS OLYMERIZATION  WILL NOT OCCUR  WILL N	<u> </u>	
AZARDOUS OLYMERIZATION  WILL NOT OCCUR  WILL N	may produce carbon mo	noxide and organi
AZARDOUS OLYMERIZATION  WILL NOT OCCUR  WILL N		<del></del>
WILL NOT OCCUR X N/A  TABILITY  UNSTABLE  STABLE  X N/A  SECTION VI SPILL ORI  TABLE TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  MIX with absorbent material and dispose and local regulations.		
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SECTION VI SPILL OR I TEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  Mix with absorbent material and dispose and local regulations.		
Mix with absorbent material and dispose and local regulations.	AK PROCEDURES	
ASTE DISPOSAL METHOD		
ASTE DISPOSAL METHOD	f according to Enda	1 (0
ASTE DISPOSAL METHOD	- according to redera	17 DEREC,
Incinerate or landfill according to locat		,
TOUR CO TOUR		ti-pollution rean
	state and federal and	, <u></u>
	state and federal an	······
	state and federal an	

RESPIRATORY PROTEC	(ON (Specify (ype)	SOME CONTROL	INFORMATION	
For amine v	apors. Canister type mask.		SPECIAL	
	To reduce amine vapors.		}	A STATE OF STATE OF STATE
VENTALATION	MECHANICAL (General)		N/A OTHER	
	N/A			
PROTECTIVE OLOVES		EYE PROTECTION		
Impervious		Safety	y glasses or	better.
	DIT WEIGH			
Eye bath.				
		•		
OTHER ENGINEERING C	ONTROLS			
	N/A			<u>.</u>
	1			
WORK PRACTICES				
	e goggles with face shield	must be	worn Do not	wear contact lesses
ondarious by	or goggles with face skield	musc pe	WOLII. DO HOU	wear contact lenses.
When handlin	ng large quantities subject	to splas	hes & spills,	impervious suits,
#1#**** - m Å :	subban basta musi ba usu.			
HYGIENIC PHACTICES	rubber boots must be worn.		<del></del>	<del></del>
Supplied air	respiratory protection for	r cleanin	q large spill	s or upon entry into
		•		
canks, vesse	els or other confined spaces	5.		
Hygienic pra	ctices: No skin contact. Go	ood venti	lation.	
Work clean	SECTION VIII	SPECIAL PRECA	AUTIONS	<del></del>
PRECAUTIONS TO BE Y	AREN IN HANDLING AND STORING	CI EGIAL VIII.		
	<u>N/A</u>			
			<del></del>	<u> </u>
•				
			<del></del>	
MAINTENANCE PERSON		_	_	
	N/A			
_				,
				*
OTHER PRECAUTIONS		<del></del>		- <del></del>
. — —	N/A	<del></del> _		
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F413-007-000 Malerial Safety Data Sheet 4/88

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# DEPARTMENT OF LABOR AND INDUSTRIES INDUSTRIAL HYGIENE SECTION

# **MATERIAL SAFETY DATA SHEET**

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V7 20	
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PREPARATION/REVISION DATE OLYMPIA, WA 98504 (206) 753-6497 COMPLIES WITH WAC 296-62-05413 April 1991 SECTION MANUFACTURER'S NAME EMERGENCY TELEPHONE NO. Titan Corporation 800-424-9300 24hrs ADDRESS (Number, Street, City, and ZIP Code) 5629 208th St. S.W. 98036 Lynnwoood. WA. CHEMICAL NAME Epoxy Resin GLAZE COAT II Resin 1:1 Ratio FORMULA Modified Liquid Epoxy Resin SECTION II HAZARDOUS INGREDIENTS APPLICABLE EXPOSURE LIMITS CHEMICAL AND COMMON NAME PEL-WISHA/OSHA TLV-ACGUI OTHER Reaction product of epichlorohydrin Not established. See section III 80 and bisphenol A Obsessi glycidyl ether 12 CARCINOGENIC INGREDIENTS REFERENCE SOURCE CHEMICAL AND COMMON NAME NTP MARC WISHA/OSHA N/A ---

## SECTION III HEALTH HAZARD DATA

CUTE HEALTH EFFECTS					*	رابطر ما سر کراند. ا	ATM TAIRT
Eye: May cause eye SKIN: Prolonged or	<u>irritatio</u>						1 K. 2 -1
SKIN: Prolonged or skin sensiriz	ation	x posure	may cause	skin i	LTT1tation	. May c	:ause
SKIN ABSORPTION: A s	ingle prol	onged s	kin exposu <del>1-amounts.</del>	re is m	not likely ermel LD50	to res	oult in
Single d	ose oral L	D50 is	unknown.	Single	e dose ora	l toxic	ity 1
	for contro o be hazaro			Single	exposure	to vap	ors is
		<u></u>		<u>.</u>			
XITES OF ENTRY			· · · · · · · · · · · · · · · · · · ·				
Dermal, Inhalation & EDICAL CONDITIONS ACCRAVATED BY EXPOS	nd Ingesti	on.	· <del></del> -				
Ņ/A				<del></del>		<del></del>	
						<u>, , , , , , , , , , , , , , , , , , , </u>	-
	<u>-</u>	- \ <del>-</del> .	,	· <del></del> _			
			·			<u> </u>	
ERGENCY AND FIRST AND PROCEDURES  EYES: Irrigate imm							
EYES: Irrigate imm Wash otf in SKIN: wash before	${ t flow i.ng}$ wat	ter or	shower.	Remove	contaminat	ted clo	thing
INGESTION: Induce	vomiting if	large	amounts ar	e inge	sted.		
INHALATION: Remov	e to fresh	air if	effects or	cur.	Consult me	edical.	
NOTE TO PHYSICIAN:	No specii	ic ant	idote. Si	pporti	ve care.	Treatm	ent ba
on judgment of t	he physicia	n in r	esponse to	reacti	ons of the	natie	nt.
					• •		
			CHEMICAL DATA		<del> </del>	<del></del> -	<del></del>
OILING POINT (*F)		N A	SPECIFIC GRAVITY	(H2O=1)			1.11
POR PRESSURE (mm Hg.)		N A	PERCENT VOLATIL	E BY VOLUME	(%)	/	
APOR DENSITY (AIR=1)		N A	EVAPORATION RAT	E (	=1)		
CUBILITY (Specify Solvenia)				, .			
N/A		_					
reaganceano odoga Clear ( light yellow)	liquid	of low	viscosity		,,		
			,				
				<u> </u>	· <del></del>		

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F413-07-000 Material Safety Data Sheel 4:85 -- 933-A-B-

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EL ARD PANET DATE :	nad)	SECTION V PHYSIC	AL HAZARD DATA		
FLASH POINT (Meinod ii 350 F	PMCC		FLAMMABLE LIMITS	Lel	Uei
EXTINGUISHING MEDIA	PROC			Not dete	rmined
Foam, CO2	. dry chemica.	ls.			
SPECIAL FIRE FIGHTING	PROCEDURES				
				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
FIRE FIGH	ITING EQUIPMENT	r: Wear nooitive	e pressure self-con	tained broom	hina
			. biragate serracin	rainen niear	<u> </u>
	apparatus d	luring fire-fight	ing.		····
			•		
	· · · · · · · · · · · · · · · · · · ·				
umusual fire and exp N/A	LOSION HAZARDS				
N/A					
		<del></del>			
NCOMPATIBILITY (Materia		_			
SPECITIC VAZARDOUS DECOMPOS	materials to	avoid Base			
various p	henolic compou	r conditions of inds CO and/or CO	mperfect combustion 2 may be evolved.	n and/or pyr	olysis
		CONDITIONS TO AVOI	Þ		
HAZARDOUS	MAY OCCUR	X Will not o	ccur by itself, bu	t masses of	morethan
POLYMERIZATION	WILL NOT OCCUR	l pound of	product plus an a	liphatic ami	ne will
	***************************************		versible polymeriza	ation with h	eat bullo
9TABILITY	UNSTAB LE	Excessive	heating over long p	periods of t	ime degra
	STABLE	resin. Fe	eezing may cause a	temporary h.	aziness .
	JIABLE	X Fire condi-	tions increase vis	cosity.	<del></del>
TEPS TO BE TAKEN IN	CASE MATERIAL IS RELEASE		- AK PROCEDORES		
Soak up i	non-reactive	absorbent mater:	ial or scrape up.	The master	
Temoven w	ith not soapy	water. Use of	methylene chloride	<u>acetone o</u>	<u> </u>
aromatic :	solvents in cl	ean up poses a d	istinct hazard and	therefore	aho1.4
			not notala and	therefore,	PHORTO.
be avoided	1,			· · · · · · · · · · · · · · · · · · ·	
		<del></del>			
VASTE DISPOSAL METHO					
Durn In St	requare incine	rator or bury in	approved landfill,	<u> </u>	
		<u>.</u> .			
_	<del></del>				
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	SECTION VII EXPOSURE CONTROL INFORMATION
RESPIRATORY PROTECT	
	LOCAL EXHAUST SPECIAL
/ENTILATION	Good room ventilation usually adequate for most operations,
	MECHANICAL (General) OTHER
PACTECTIVE GLOVES	EYE PROTECTION
See	belowSafety glasses
THER PROTECTIVE EC	JP MENT
Clean, bod	y covering clothing. In addition, rubber gloves, boots, aprons,
gauntiets,	and full face shield depending upon extent and severity of
exposure 1	ikely.
exposure 1	NTROLS
WORK PRACTICES	
Practice c	aution and good personal cleanliness to avoid skin and eye contact.
Avoid by	thing papers of heated the lat
WARTE OLES	thing vapors of heated material.
	•
TYGIENIC PRACTICES	
Same as abo	)V0
RECAUTIONS TO BE TA	SECTION VIII SPECIAL PRECAUTIONS KEN IN HANDLING AND STORING
	al may cause sensitizition. Do not get in eyes, on skin or Clothing
Do not allow	contaminated clothing to contact skin. Avoid contact with vapors or fumes.
<del></del>	
•	
MINTENANCE PERSONNE	
N/A	
M/K	
<del></del>	
THER PRECAUTIONS	
Wear protecti	ve clothing.
\$13-007-000 Malerial Salety Da	is Shout 4/65 .933-C